

# SIEMENS

## Product data sheet

**6AV7830-0BA10-1CC0**

**SIMATIC PANEL PC 577B; 12" TOUCH (800X600); WINDOWS XP PROF MUI; AC 110/230V NAMUR; CEL M 440: 1,86 GHZ, 1MB L2; 1 GB RAM DDR2; 160GB SATA HDD 3,5"; DVD+/-R+/-RW; INTERFACES: 2X PCI, 2X ETHERNET 1GBIT/S, 4X USB 2.0 500MA, 1X FRONT-USB 2.0 500MA, 1X SERIELL (COM1) POWER CORD EU AND US INCLUDED**

Supply voltage	
Supply voltage	100 V/240 V AC (autorange) 50/60 Hz
Memory	
Main memory	1 GB
Capacity of main memory, maximum	4096 Mbyte ; (at least 3.2 GB can be used)
Monitoring functions	
Temperature	Yes
Watchdog	Yes
Status LEDs	No
Ambient conditions	
Vibration load in operation	tested to IEC 68-2-6: 10 to 58 Hz: 0.075 mm, 58 to 200 Hz: 9.8 m/s <sup>2</sup> (0.25g)
Shock loading in operation	tested to IEC 68-2-29: 50 m/s <sup>2</sup> (1g), 30 ms, 100 shocks
Relative humidity	Tested to DIN IEC 68-2-3, DIN IEC 68-2-30, DIN IEC 68-2-56: 5% to 80% at 25 °C (no condensation)
maximum permissible installation angle +/-	20°
Temperature	
Ambient temperature in operation	In full configuration: +5 °C to +45 °C or +5 °C to +50 °C in installation space, if max. 40 °C at front
Degree of protection	
Front acc. to EN 60529	IP65 (on front) to EN60529 and NEMA4
Certifications & standards	
Approval	CE, cULus (508)
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Interfaces	
Free slots	2x PCI (slots with board retainer), 1x slot for Compact Flash Card

Graphics interface	DVI-I usable for additional display unit (VGA via adapter); color depth 32 bits, 8 to 128 MB Shared Memory
Number of slots /compliant with PCI	2
Number of compact flash slots	1
Connection for keyboard/mouse	USB / USB
serial interface	COM1: 1 x V.24 (RS232)
PROFIBUS/MPI	0
USB port	1x at front, 4x at rear, USB 2.0 (500 mA)
100 Mbit	Yes
1000 Mbit	Yes
Operating systems	
Operating system	Windows XP Prof. optional: without operating system
Additional info on operating system	Multi Language: GER, ENG, ITAL, FR, SP, KOR, CHN (Traditional), CHN (Simplified), JPN - not with XPe
Cables	
Warranty	24 months liability for defects
Processor	
Processor	Intel Celeron M 440, 1.86GHz, 533 MHz FSB, 1MB SLC
Drives	
Diskette drive	optional: via external USB floppy disk drive
Optical drives	DVD±R±RW combi drive; on rear, can be operated from side
Hard disk	3.5" SATA hard disk 80 GB, vibration-resistant mounting
Operator control and monitoring	
Accessory components	Touch protective foil
General features	
Front panel	12" TFT Touch
Display	
Expansion components	Uninterruptible power supply (USP), SIMATIC NET communication modules
Power loss in full configuration	140 W max. (17.5 W included per slot)
Size	12.1" TFT Touch
Resolution (WxH in pixel)	800 x 600
Backlighting	

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MTBF backlighting (at 25 °C)	50000 h in 24 h permanent operation, temperature-dependent
Operating mode	
Function keys	No
Touch operation	
Touch screen (analog/resistive)	Yes
Design	
central design	Yes
distributed design	No
Dimensions	
Mounting cutout/device depth (W x H / D)	368x290 / 144 (incl. optical drive)
Install. dimensions, centralized design (W x H x D without optical drive) in mm	368x290x123
additional mounting depth (optical drive)	21 mm
Operator control unit (W x H) in mm	400x310 (7 HU)
Dimensions and weight	
Weight	
Panel PC in central design, approx.	13 kg
Status	Dec 13, 2010